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ONDOID-CONTAINING MATERIALS remy E. Dahl, et al. **SHEET 1 of 18** cathodes based on diamondoids Cold cathode Field emission filaments thermoelectric coolers containing films Thermistor and Peltier devices diamondoidbased on

 Self-assembly techniques CVD deposited materials Thermally conductive Fabricate materials films, tapes, plugs Adhesive films diamondoids Sintered ceramics Feedstocks solate · Polymers **DRAM and SRAM** Low-k dielectrics IC processing and devices in multilevel interconnects Capacitors in devices IC film passivation Electronic packaging Heat sinks

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ENTOR(S): JEREMY E. DAHL ET AL.
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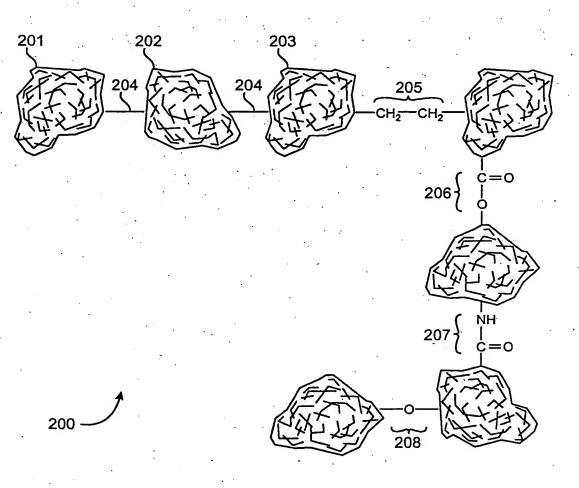


FIG. 2A

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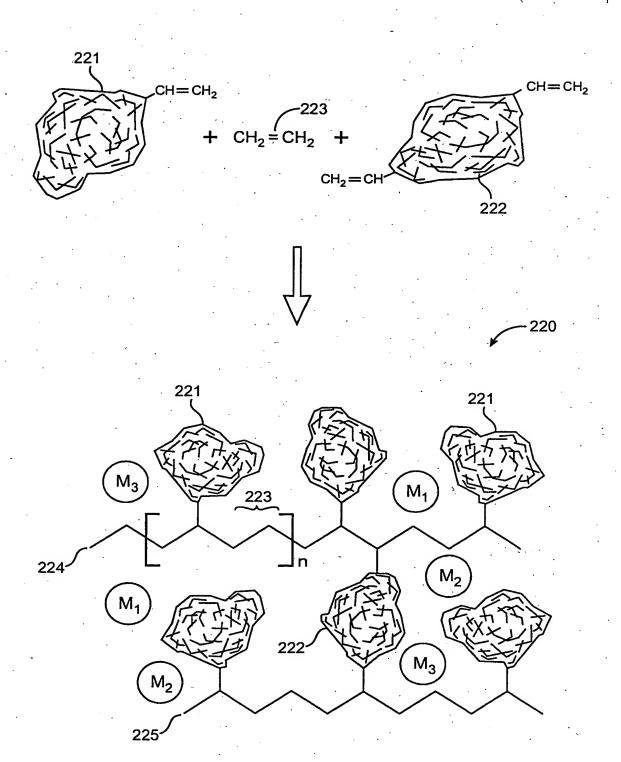
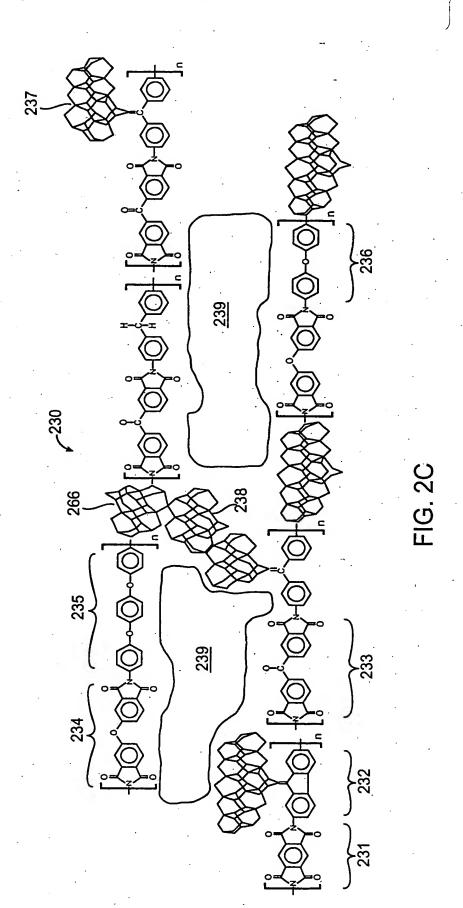


FIG. 2B

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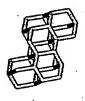
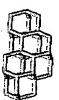


FIG. 2D





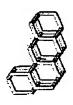












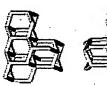




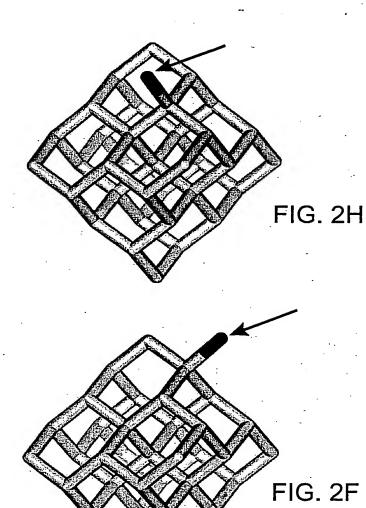




FIG. 2E

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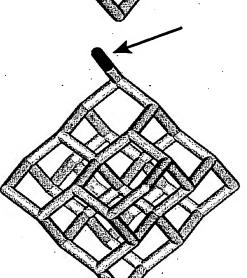


FIG. 2G



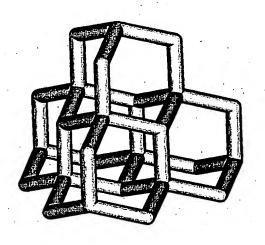
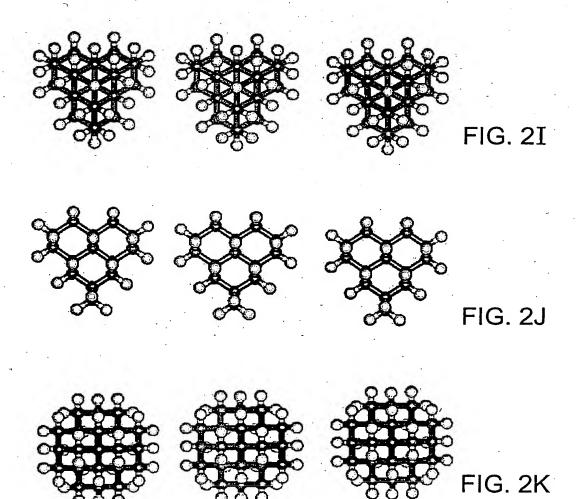


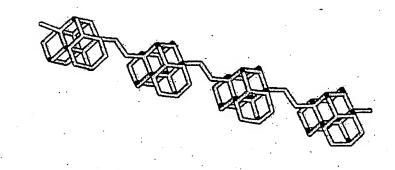
FIG. 2N



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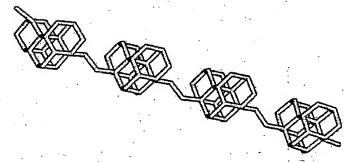
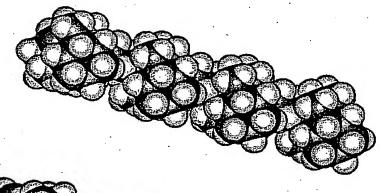


FIG. 2L



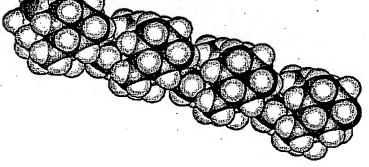


FIG. 2M

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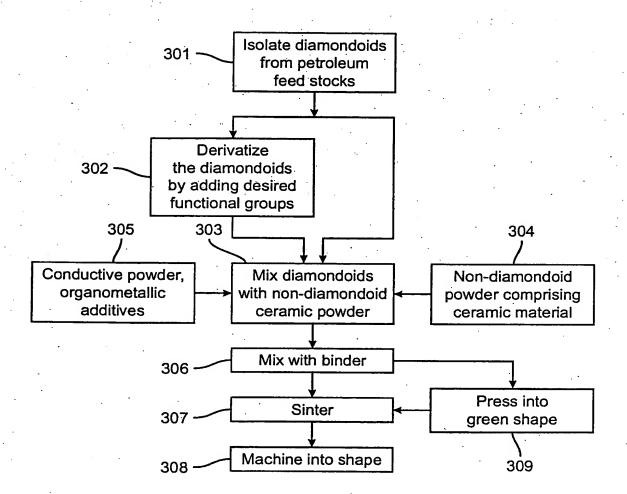
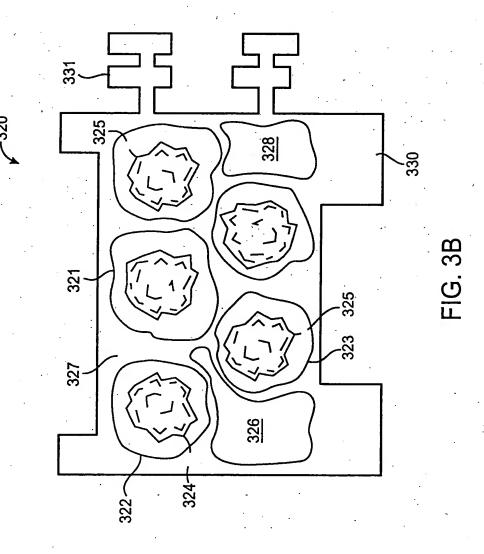


FIG. 3A

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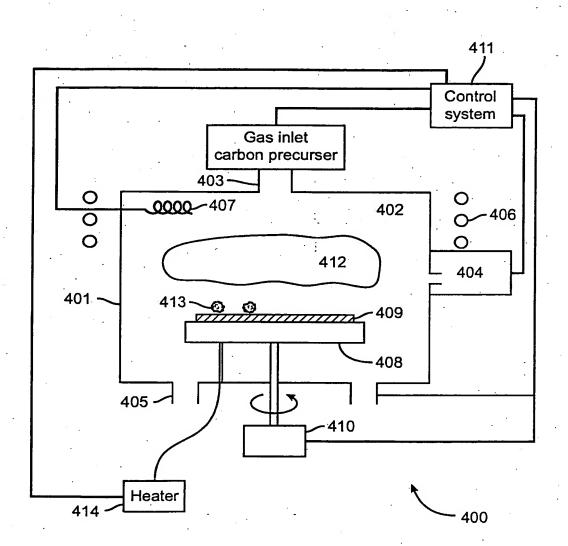


FIG. 4

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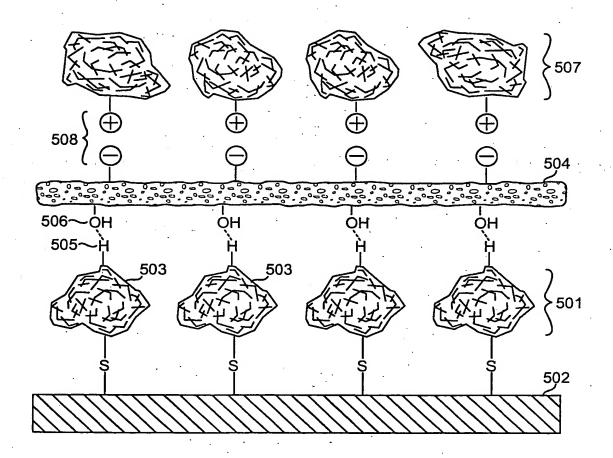
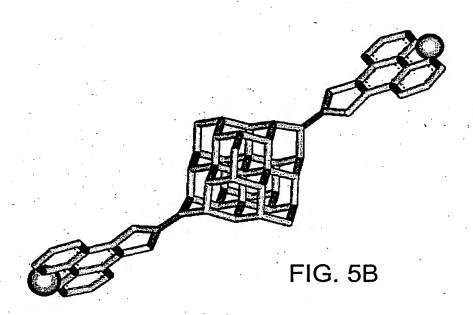
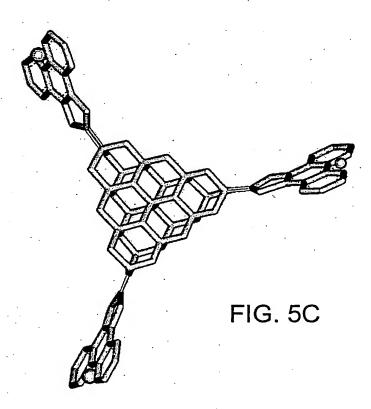


FIG. 5A

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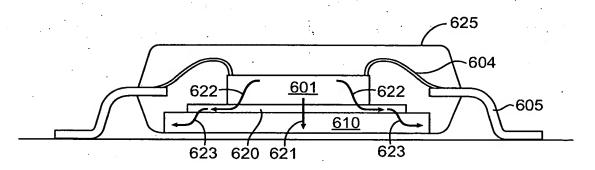


FIG. 6B

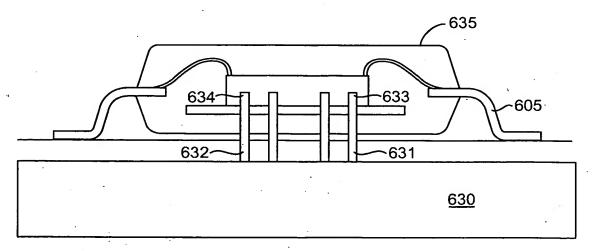


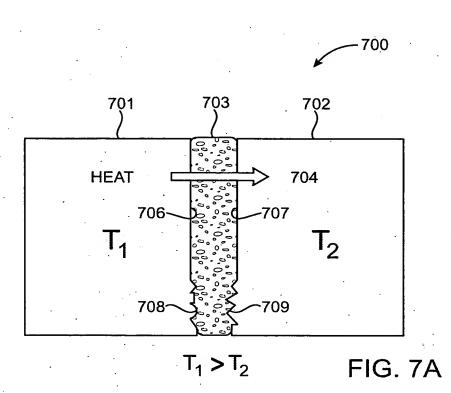
FIG. 6C

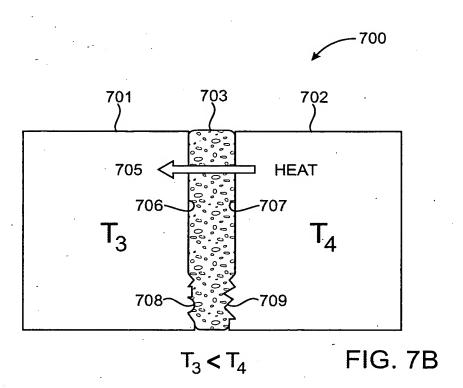
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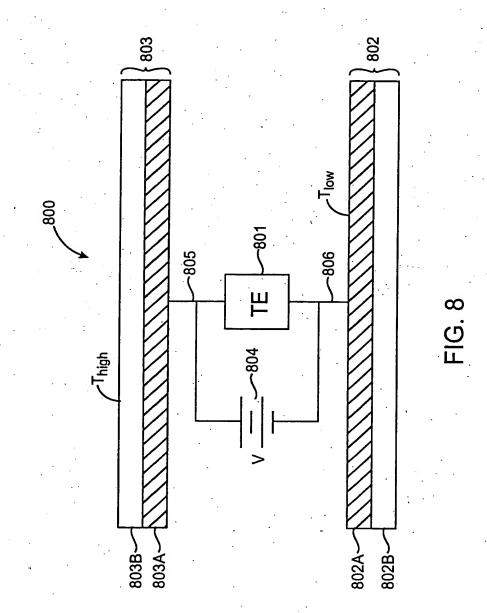
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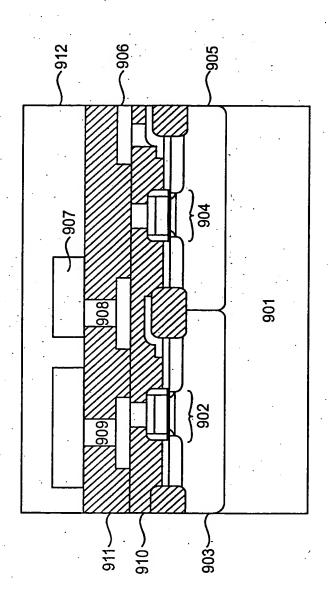


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